

Title (en)
Process for the purification of combustion exhaust gases

Title (de)
Verfahren zur Reinigung von Verbrennungsabgasen

Title (fr)
Procédé pour la purification de gaz de combustion

Publication
EP 0666098 B1 19970910 (DE)

Application
EP 95200037 A 19950110

Priority
DE 4403244 A 19940203

Abstract (en)
[origin: EP0666098A2] Removal of Hg, Hg cpds. and polyhalogenated hydrocarbons from O₂-contg. flue gas produced by incineration of refuse, industrial waste and sewage sludge is effected by adsorption on a mixt. of natural zeolites at 80-180 deg.C with a gas velocity of 3-20 m/sec and a contact time of 0.5-10 sec. The adsorbent has an av. particle size of 5-50 microns and is suspended in the gas in an amt. of 0.02-10 kg/Nm³. Advantage - The process is capable of reducing Hg levels below 50 mcg/Nm³, polyhalogenated dibenzodioxin and dibenzofuran levels below 0.1 ng/Nm³ and polychlorinated biphenyl, polychlorinated phenol and polychlorinated aromatic levels below 1 mcg/Nm³.

IPC 1-7
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EP0919274A1; DE19901309A1; DE19901309C2; DE102008041530A1; WO9740922A1; US10589292B2; US11298657B2; US10350545B2; US11369921B2; US10465137B2; US10731095B2; US11118127B2; US9657942B2; US10124293B2; US10730015B2; US9889405B2; US10159931B2; US10758863B2; US11065578B2; US9884286B2; US10427096B2; US10767130B2; US10843130B2; US11213787B2; US11384304B2

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